

WHAT IS CLAIMED IS:

1. A method for increasing use time of a battery of a mobile station (MS) of a communication system, comprising:
 - identifying a plurality of mobile stations based on uses thereof;
 - setting a slot cycle index value of each of the mobile stations according to the uses; and
 - retrieving slots of a paging channel in each MS according to the slot cycle index value.
2. The method of claim 1, wherein the slot cycle index value is a positive number of 0 to 7.
3. The method of claim 1, wherein said setting the slot cycle index value comprises:
 - deciding the slot cycle index value in the MS;
 - transmitting the slot cycle index value to an upper system; and
 - storing the slot cycle index value into a slot cycle index field of a retrieval period information table for the MS in the upper system.
4. The method of claim 1, wherein said setting the slot cycle index value comprises:
 - deciding the slot cycle index value in an upper system;
 - transmitting the slot cycle index value to the MS;
 - reporting receipt of the slot cycle index value to a user of the MS;
 - setting the received slot cycle index value when a message input from the user

indicates changes of a retrieval period;

reporting completion of setting the slot cycle index value to the upper system;

and

storing the slot cycle index value into a slot cycle index field of a retrieval period information table for the MS in the upper system.

5. The method of claim 4, wherein the slot cycle index value is stored in a certain field of an order message, and then transmitting the message to the MS.

6. The method of claim 1, wherein said retrieving the slots of the paging channel comprises:

setting the slot cycle index value that is periodically transmitted to the MS from the upper system as a maximum value;

comparing the slot cycle index value received from the upper system with the set slot cycle index value and choosing a smaller value; and

retrieving the slots of the paging channel as the MS transitions from a sleep state to an active state according to the chosen slot cycle index value.

7. A method for increasing use time of a battery of a mobile station (MS) of a communication system, comprising:

setting a retrieval period of slots of a paging channel according to a use of the MS;

registering the retrieval period in an upper system; and

retrieving the slots of the paging channel as the MS transitions from a sleep state to an active state in the registered retrieval period.

8. The method of claim 7, wherein said registering the retrieval period comprises:

setting a slot cycle index value corresponding to the retrieval period in the MS;

transmitting the set slot cycle index value to the upper system; and

storing the slot cycle index value into a slot cycle index field of a retrieval period information table for the MS in the upper system.

9. A method for increasing use time of a battery of a mobile station (MS) of a communication system, comprising:

identifying one or more uses of the MS based on a subscriber information of the MS in an upper system;

deciding a retrieval period of a paging channel of the MS according to the uses, and transmitting information indicative of the retrieval period to the MS;

setting the retrieval period in the MS;

registering the set retrieval period in the upper system; and

retrieving the paging channel in the MS as the MS transitions from a sleep state to an active state in the registered retrieval period.

10. The method of claim 9, wherein said setting the retrieval period comprises:

receiving a message in which a slot cycle index value corresponding to the retrieval period is stored from the upper system;

reporting receipt of the message to a user; and

setting the received slot cycle index value when a message input from the user indicates of change of a retrieval period of the paging channel.

11. The method of claim 10, wherein the slot cycle index value is stored in a certain field of an order message.

12. The method of claim, 9, wherein said registering the retrieval period comprises:

setting the slot cycle index value corresponding to the received retrieval period in the MS, and then reporting completion of the setting to the upper system; and
storing the slot cycle index value into a slot cycle index field of a retrieval period information table for the MS in the upper system.

13. The method of claim 7 or 9, wherein retrieving the paging channel comprises:

setting the slot cycle index value that is periodically transmitted to the MS from the upper system as a maximum value;

comparing the slot cycle index value received from the upper system with the set slot cycle index value, and choosing a smaller value; and

retrieving the slots of the paging channel in the retrieval period.

14. A method for increasing use time of a battery of a mobile station (MS) of a communication system, comprising:

identifying a plurality of mobile stations based on uses thereof; and

setting slot cycle index values of the mobile stations according to the uses.

15. The method of claim, 14, wherein the slot cycle index value is a positive number of 0 to 7.

16. The method of claim 14, wherein said identifying the mobile stations comprises setting retrieval periods of the slots of the paging channel to different ones based on said uses.

17. The method of claim 16, wherein the retrieval period of the slots of the paging channels is changed according to the slot cycle index value of each mobile station.

18. The method of claim 14, wherein setting slot cycle index values further comprises: retrieving the slots of the paging channel in each mobile station according to a corresponding slot cycle index value.

19. The method of claim 18, wherein the slot cycle index value is included in an order message.